

JCS 01/06/00
U.S. PTO

PATENT APPLICATION

JCS 09/479608
U.S. PTO
01/06/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No: 28110/35918

PATENT APPLICATION TRANSMITTAL UNDER 37 C.F.R. 1.53

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Radoje Drmanac, Snezana Drmanac, David Kita, Cory Cooke, and Chongjun Xu

Title: ENHANCED SEQUENCING BY HYBRIDIZATION USING POOLS OF PROBES

1. Type of Application

This is a new application for a
 utility patent.
 design patent.

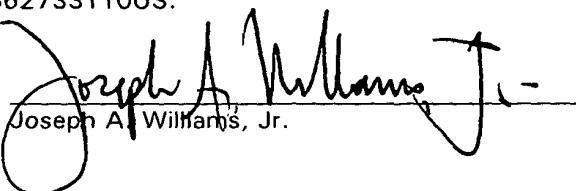
 This is a continuation-in-part application of prior application no. _____

2. Application Papers Enclosed

1 Title Page
70 Pages of Specification (excluding Claims, Abstract, Drawings & Sequence Listing)
8 Page(s) of Claims
1 Page(s) of Abstract
4 Sheet(s) of Drawings (Figs. 1 to 4)
 Formal
 Informal
113 Page(s) of Appendix
0 Page(s) of Sequence Listing

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this Patent Application Transmittal and the documents referred to as enclosed therewith are being deposited with the United States Postal Service on January 6, 2000, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EM362733110US.


Joseph A. Williams, Jr.

3. Declaration or Oath

Enclosed

Executed by (check all applicable boxes)

Inventor(s)

Legal representative of inventor(s)
(37 CFR 1.42 or 1.43)

Joint inventor or person showing a proprietary interest on behalf
of inventor who refused to sign or cannot be reached

The petition required by 37 CFR 1.47 and the statement
required by 37 CFR 1.47 are enclosed. See Item 5D below
for fee.

Not enclosed - the undersigned attorney or agent is authorized to file this
application on behalf of the applicant(s). An executed declaration will follow.

4. Additional Papers Enclosed

Preliminary Amendment

Information Disclosure Statement

Declaration of Biological Deposit

Computer readable copy of sequence listing containing nucleotide and/or
amino acid sequence

Microfiche computer program

Verified statement(s) claiming small entity status under 37 CFR 1.9 and 1.27

Associate Power of Attorney

Verified translation of a non-English patent application

An assignment of the invention

Return receipt postcard

Other

5. Priority Applications Under 35 USC 119

Certified copies of applications from which priority under 35 USC 119 is claimed are listed below and

are attached.

will follow.

| COUNTRY | APPLICATION NO. | FILED |
|---------|-----------------|-------|
| | | |
| | | |
| | | |

6. Filing Fee Calculation (37 CFR 1.16)

A. Utility Application

| CLAIMS AS FILED - INCLUDING PRELIMINARY AMENDMENT (IF ANY) | | | | | | |
|--|-----------|-----------|--------------|----------|---------------------------|----------|
| | | | SMALL ENTITY | | OTHER THAN A SMALL ENTITY | |
| | NO. FILED | NO. EXTRA | RATE | Fee | RATE | Fee |
| BASIC FEE | | | | \$345.00 | | \$690.00 |
| TOTAL | 40-20 | = 20 | X 9 = | \$180.00 | X 18 = | \$ |
| INDEP. | 5- 3 | = 2 | X 39 = | \$78.00 | X 78 = | \$ |
| <input checked="" type="checkbox"/> First Presentation of Multiple Dependent Claim | | | + 130 = | \$130.00 | + 260 = | \$ |
| Filing Fee: | | | | \$733.00 | OR | \$ |

B. Design Application (\$155.00/\$310.00) Filing Fee: \$ _____

C. Plant Application (\$240.00/\$480.00) Filing Fee: \$ _____

D. Other Fees

Recording Assignment [Fee -- \$40.00 per assignment] \$ _____

Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached [Fee -- \$130.00] \$ _____

Other \$ _____

Total Fees Enclosed \$ _____

DRAFTS & COPIES \$0.00
TOTAL \$0.00

7. Method of Payment of Fees

Enclosed check in the amount of: \$ _____

Charge Deposit Account No. 13-2855 in the amount of: \$ _____
A copy of this Transmittal is enclosed.

Not enclosed

8. Deposit Account and Refund Authorization

The Commissioner is hereby authorized to charge any additional fees which may be required during the pendency of this application under 37 CFR 1.16 or 37 CFR 1.17 or under other applicable rules (except payment of issue fees), to Deposit Account No. 13-2855. A copy of this Transmittal is enclosed.

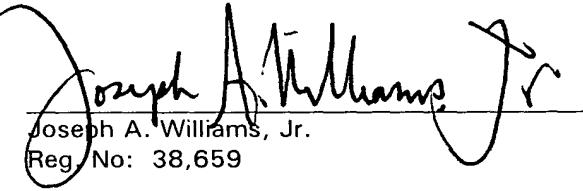
Please refund any overpayment to Marshall, O'Toole, Gerstein, Murray & Borun at the address below.

Please direct all future communications to Joseph A. Williams, Jr., at the address below.

Respectfully submitted,

MARSHALL, O'TOOLE, GERSTEIN,
MURRAY & BORUN
6300 Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606-6402
(312) 474-6300
(312) 474-0448 (Telefacsimile)

By:


Joseph A. Williams, Jr.
Reg. No: 38,659

January 6, 2000